3R - 212

REPORTS

DATE:



Certified Mail: #7001 1940 0003 1553 8513

February 28, 2002

RECEIVED

MAR 0 4 2002

ENVIRONMENTAL BUREAU OIL CONSERVATION DIVISION

Mr. William C. Olson New Mexico Oil Conservation Division 1220 St. Francis Dr. Santa Fe, NM 87504

RE: 2001 Pit Project Annual Groundwater Report

Dear Mr. Olson:

In accordance with reporting requirements, El Paso Field Services (EPFS) has enclosed annual reports for the 30 remaining groundwater impacted sites that were identified during our pit closure project of 1994 / 1995.

EPFS has organized the 30 reports (Volumes IA, IB, II and III), reports by land type. Volume IA and IB contain annual reports for sites found on Federal land. Volume II contains Non Federal sites and Volume III contains sites on Navajo land. Of the 30 reports submitted EPFS is requesting closure of three sites located on Navajo lands. Of the three Navajo sites submitted for closure OCD has closed the Charley Pah #4 and the John Charles #8. The Rementa et al #1 has not been closed by either agency. EPFS understands closure of groundwater sites on Navajo land falls under jurisdiction of the Navajo Environmental Protection Agency and original documents have been submitted to them for review. Other Navajo sites are included in the report for your information.

The Jaquez Com. C #1 and Jaquez Com. E #1 site is not included in with this report and will be submitted by the required deadline of April 1, 2002.

If you have any questions concerning the enclosed reports, please call me at (505) 599-2124.

Sincerely,

Scott T. Pope P.G. Senior Environmental Scientist

xc: Mr. Denny Foust, NMOCD, Aztec - w / enclosures; Certified Mail # 7001 1940 0003 1553 8506
 Mr. Bill Liesse, BLM - w / enclosures (federal sites only), Certified Mail # 7001 1940 0003 1553 8520

SAN JUAN BASIN PIT CLOSURES

San Juan Basin, New Mexico

El Paso Field Services Pit Project Groundwater Sites Annual Report Volume IB-Federal Sites

March 2002

Prepared for

El Paso Field Services Farmington, New Mexico





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ENVIRONMENTAL BUREAU OIL CONSERVATION DIVISION

EL PASO FIELD SERVICES ANNUAL GROUNDWATER REPORT

FEDERAL SITES VOLUME IB

TABLE OF CONTENTS

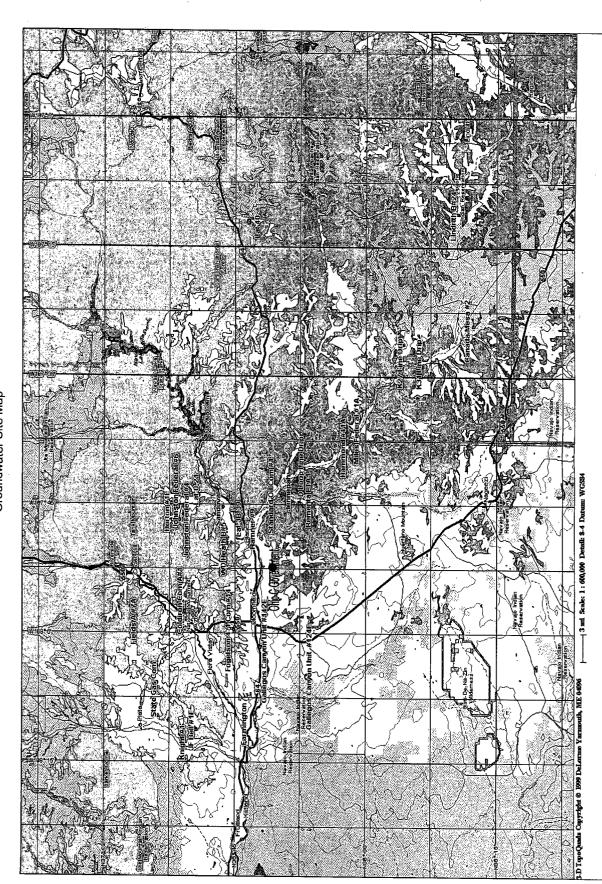
Site Map

METER or LINE ID	SITE NAME	TOWNSHIP	RANGE	SECTION	UNIT
97213	Hamner #9	29N	09W	20	A
72890	Ohio C Government #3	28N	11W	26	Ρ
LD169	D Loop Line Drip	28N	08W	33	I.
LD174	LAT LD 40	28N	04W	13	Н
89894	Hammond #41A	27N	08W	25	0
94810	Miles Fed 1A	26N	07W	5	F
LD072	K27 LD072	25N	06W	4	Ε
87640	Canada Mesa #2	24N	06W	24	ł





MONTGOMERY WATSON HARZA



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Groundwater Site Map





EPFS GROUNDWATER PITS 2001 ANNUAL GROUNDWATER REPORT

LAT L-40

Meter Code LD174

SITE DETAILS

Legals	Twn: 28N	Rng: 04W	Sec:	13	UNIT: H
NMOCD	Haz Ranking 20	Land Type:	Federal		Operator: EPFS

PREVIOUS ACTIVITIES

Site Assessment: Feb-95 Excavation Mar-95 Soil Boring: Sep-95 Monitor Well: Sep-95 Geoprobe: Additional MWs: Downgradient MW's: NA Replace MW: NA NA PSH Removal Initiated: Jan-98 ORC Nutrient Injection NA Re-Excavation: NA Quarterly Initiated NA Annual Initiated NA Quarterly Resumed: NA

2001 ACTIVITY

Phase Separated Hydrocarbons (PSH) Removal - PSH removal from MW-1 continued through 2001.

Specific Gravity - A Specific Gravity sample was taken September 12, 2001 and the results were, 0.733 g/cc

*** Attempted July 2000, encountered refusal.

SUMMARY TABLES AND GRAPHS

Groundwater levels and product removal are presented in Product Removal Table. Included is a BTEX Data graph for MW-1 and Free Product Recovery graph for MW-1.

SITE MAP

Site Maps with BTEX concentrations and groundwater elevations are attached.

GEOLOGIC LOGS AND WELL COMPLETION DIAGRAMS

No drilling activities were done at this site in 2001.

DISPOSITION OF GENERATED WASTES

All PSH removed was disposed of at the Kutz Separator in Bloomfield, New Mexico.





EPFS GROUNDWATER PITS 2001 ANNUAL GROUNDWATER REPORT

LAT L-40

Meter Code: LD174

ISOCONCENTRATION MAPS

No isoconcentration maps were generated for this site.

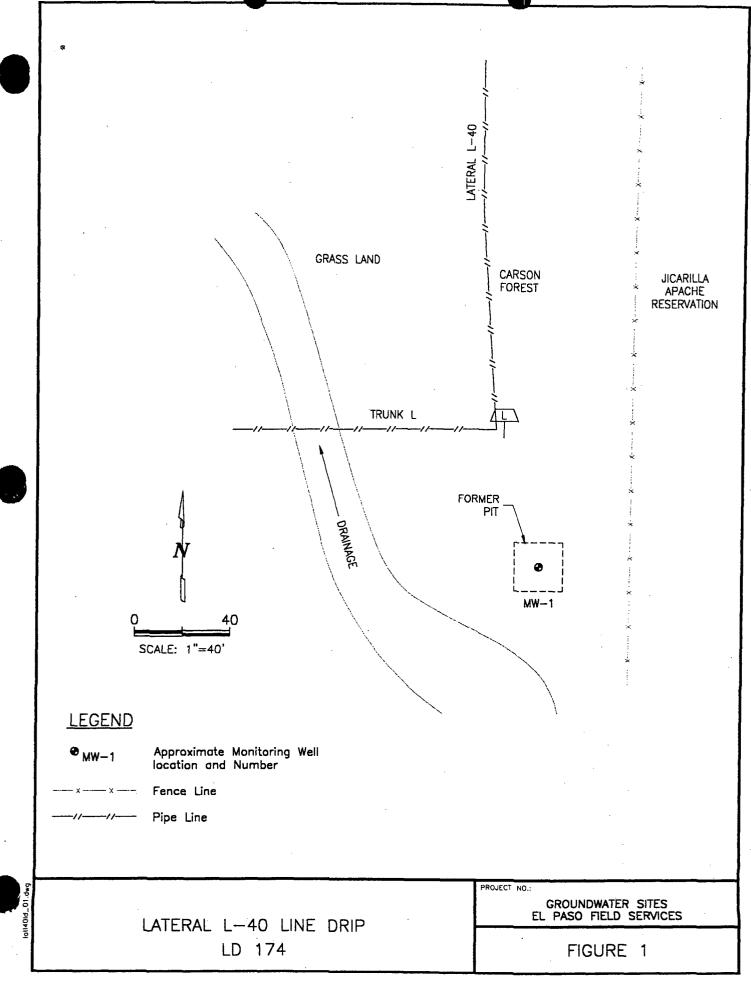
CONCLUSIONS

A total of 6.8 gallons of phase separated hydrocarbons were removed from MW-1 during 2001. A cumulative of 21.98 gallons of phase separated hydrocarbons have been recovered since the inception of product recovery at this site.

Installation of additional borings and wells was attempted in 2000 and has consistently met with refusal. No new attempts to install additional wells were made in 2001.



- > Continue product recovery in MW-1 as needed, then sample annually.
- Continue annual monitoring in MW-1, until groundwater constituents are near New Mexico groundwater standards, then sample quarterly for closure.
- > Following OCD approval of closure, monitoring wells will be abandoned per OCD guidelines.



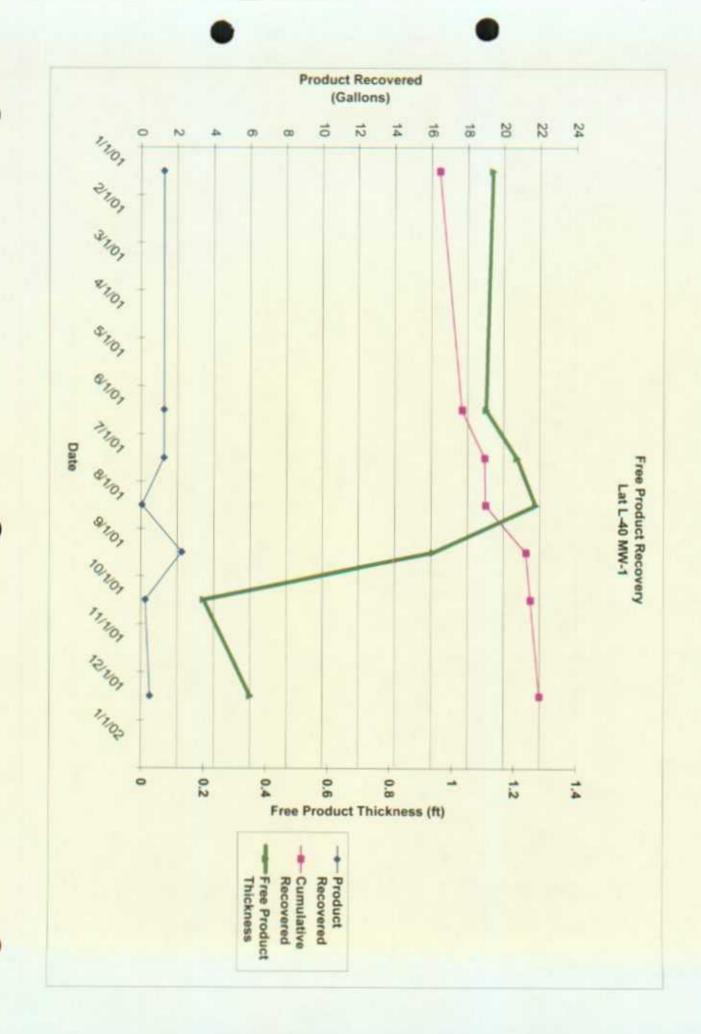
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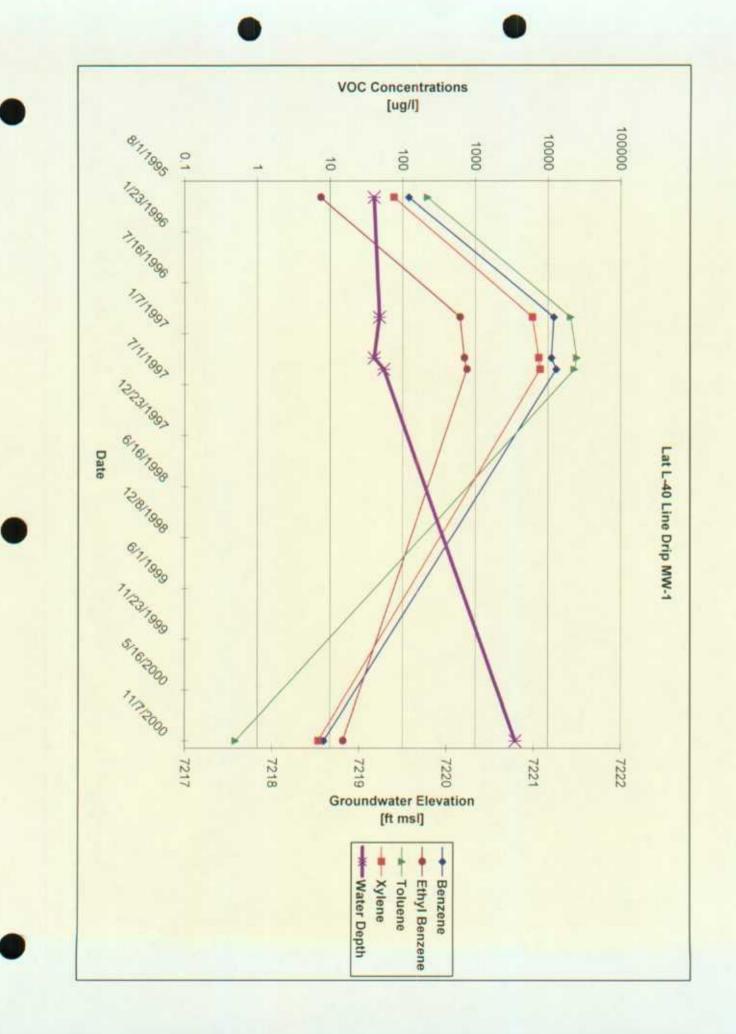
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	Meter Line	Site Name	MW#	Date	Depth to Product	Depth to Water	Product Thickness	Volume Removed	Cumulative Total
					(feet)	(feet)	(feet)	(Gallons)	(Gallons)
	LD174	LAT LD 40	-	1/2/2001	37.95	39.08	1.13	1.25	16.43
	LD174	LAT LD 40		6/8/2001	37.89	39	1.11	1.25	17.68
	LD174	LAT LD 40	<u> </u>	7/2/2001	37.93	39.14	1.21	1.25	18.93
	LD174	LAT LD 40		8/3/2001	37.83	39.1	1.27	0.05	18.98
	LD174	LAT LD 40		9/12/2001	38.02	38.96	0.94	2.25	21.23
	LD174	LAT LD 40	-	10/12/2001	38.19	38.43	0.2	0.25	21.48
-	LD174	LAT LD 40		12/13/2001	38.40	38.75	0.35	0.5	21.98

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ATTACHMENT 1

2001 GROUNDWATER ANALYTICAL



Project Name:	$20^{\pm2}$	<u>_G.w</u>	<u></u>			-	Project No.	• • • • • • • • • • • • • • • • • • •	<u>n 1975 - 1975 - 1975 - 1975 - 1975 - 1975 - 1975 - 1975 - 1975 - 1975 - 1975 - 1975 - 1975 - 1975 - 1975 - 19</u>
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Site Name:			(LOI7)	4)		·			
Well or Piezometer	Time	Reason Not Measured	Depth to Floating Product (Feet)	Depth to Water (Feet)	Depth to Sinking Product (Feet)	Total Well Depth (Feet)	 Floating Product Thickness, 	Sinking Product Thickness	Comments
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Reason Not Measured: D = Dry; O = Obstructed; N = Not Accessible

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Comments:

Signature:

Date:

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Project Manager ISA winn
Client Company 51 pr 50 Field Services
Site Name LAT LIKO (LD174)

Project No.	6/69
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Cost Code_____

Date 9-12-01

	Well or Piezometer	Time	Reason Not Measured	Depth to Floating Product (Feet)	Depth to Water (Feet)	Depth to Sinking Product (Feet)	Total Well Depth (Feet)	Floating Sinking 2 ecovery Product Product Comments Thickness Thickness (Faulton 5
	MW 1	1120		38.02	38.96		52,34	2,25%
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Comments_

Signature Chro A. May _____

Date 9-12-01

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Project Name OFS Remediation project
Project Manager LISA winn
Client CompanyEL DASO Field Services
Site Name <u>AT 40 (LN174</u>)

Project No. <u>6/69</u>	,
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Cost Code

Date 8 - 3 - Ol Friday

Date 8 - 7-01

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Signature Chin A. Man



Project Name Spf5 Remedial	ion project
Project Manager Lis A winn	•)
Client CompanyEL paso F.Elb	Securices
Site Name LATLELIO	LD 174

Project No. <u>G</u>	169	
Cost Code	'n	

Date 7- 2-01

	Well or Piezometer	Time	Reason Not Measured	Depth to Floating Product (Feet)	Depth to Water (Feet)	Depth to Sinking Product (Feet)	Total Well Depth (Feet)	Hoating Sinking Approxim Te Products Products Thickness Harmickness Callons
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Reason Not Measured: D = Dry; O = Obstructed; N = Not Accessible

Comments NO water Recovered

Signature Chio A-Ma

Date 7 2 - 01





Project Name EpFS Remediation project
Project Manager LiSA Winn
Client CompanyEL paso Field Scruces
Site Name LAT L 40 (LD 174)

Project No. 6/69

Cost Code_____

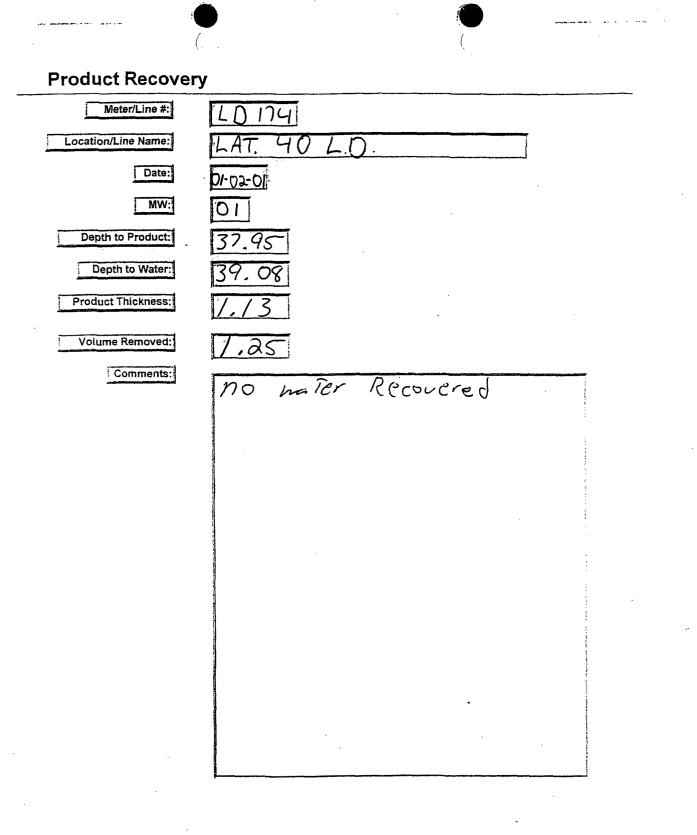
Date <u>6 - 8 - 01</u>

Well or Piezometer	Time	Reason Not Measured	Depth to Floating Product (Feet)	Depth to Water (Feet)	Depth to Sinking Product (Feet)	Total Well Depth (Feet)	Floatine Product Thickness	Sinking Broduste Thickness	Approximate P Constants Recovery Gallons
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Reason Not Measured: D = Dry; O = Obstructed; N = Not Accessible

Comments NO water Recovered Signature A. May

Date 6 - 8 - 0/



Phone (505) 326-4737 Fax (505) 325-4182

Inter Countain Laboratories, Inc.

2506 West Main Street, Farmington, NM 87401

Date: 9/11/01

Client: Golden Environmental Management

Lab ID: 0301W03833 - 3843

Project: G169

Dear Client:

The samples were received for analysis at Inter-Mountain Laboratories (IML), Farmington, New Mexico. Enclosed are the results of these analyses.

Comment:

Analytical results were obtained by approved methods. Sample analyses were obtained within the method specific holding times. Practical Quantitation Limits (PQL's) are based on method requirements, and any dilutions necessary to maintain proper method response without matrix interference.

If you have any questions, please call me at (505) 326-4737.

William Lipps

IML-Farmington, NM

د `	Ó	А	nalytical Repo	ort 🔴		06 West Main Stree rmington, NM 87401
Client:	Golden Environm					Page 1 of 1
Project:	G169				Date Received:	09/06/01
IML Set:	0301W03833				Date Reported:	09/11/01
Lab Id	Sample Id	Date Sampled	Specific Gravity g/cc			
0301W03833	LIN-0109-MW1	09/04/01	0.811			
0301W03834	CAN-0109-MW1	09/04/01	0.736			
0301W03835	GAL-0109-MW1	09/04/01	0.833			
0301W03836	JFB-0109-MW3	09/04/01	0.773			
0301W03837	072-0109-MW2	09/04/01	0.751			
0301W03838	MIL-0109-MW1	09/04/01	0.754			

Reviewed By: 11

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Analytical Report

2506 West Main Street Farmington, NM 87401

Client:	Golden Environm	ental Mana	gement			Page 1 of 1
Project:	G169			Date Re	eceived:	09/06/01
IML Set:	0301W03839			Date Re	eported:	09/11/01
Lab Id	Sample Id	Date Sampled	Specific Gravity g/cc			
0301W03839	JOH-0109-MW1	09/05/01	0.750		•	
0301W03839D	JOH-0109-MW1	09/05/01	0.751			
0301W03840	JON-0109-MW1	09/05/01	0.757			
0301W03841	KNI-0109-MW1	09/05/01	0.790			
0301W03842	STA-0109-MW3	09/05/01	0.741			
0301W03843	JEN-0109-MW1	09/05/01	0.761			

Reviewed By:

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	1#:		Base/Neutral/Acid Compounds GC/MS (625/8270) Polynuclear Aromatics (610/8310/8270-SIMS) General Chemistry:										┨┢	1. HELINO) Printed Name	Company.	1. RECEIV	Signature	6, Printed Name		
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UISTRIBUTION: White - PLI, Canary - Or HALLNE!

Phone (505) 326-4737 Fax (505) 325-4182

Inter-Mountain Laboratories, Inc.

2506 West Main Street, Formington, NM 87401

Date:9/18/01Client:Golden Environmental ManagementLab ID:0301W03917

G169

Dear Client:

Project:

The sample was received for analysis at Inter-Mountain Laboratories (IML), Farmington, New Mexico. Enclosed are the results of these analyses.

Comment:

Analytical results were obtained by approved methods. Unless otherwise noted, sample analyses were obtained within the method specific holding times.

If you have any questions, please call me at (505) 326-4737.

William Lipps / IML-Farmington, NM

Par	ameter	Analytical Result	Units		Units	PQL	Method	Ana Date	alysis Time	lnit.
Condition:	N/A	Analytical		 			1 ime :	Sampled)
Matrix:	Water							Sampled.		
Lab ID:	0301W03917							Reported		
Sample ID:	174-0109-MW1						Date F	Received	: 09/1	2/01
Project:	G169									
Client:	Golden Environme	ntal Manageme	ent							
e 1									6 West nington,	

Reference: SM - "Standard Methods for the Examination of Water and Wastewater", APHA-AWWA-WEF, 19th Edition, 1995.

Reviewed By:

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Inter-Mountain Laboratories, Inc.

Phone (505) 326-4737 Fax (505) 325-4182

2506 West Main Street, Farmington, NM 87401

Date:	9/18/01
Client:	Golden Environmental Management
Lab ID:	0301W03917
Project:	G169

Dear Client:

The sample was received for analysis at Inter-Mountain Laboratories (IML), Farmington, New Mexico. Enclosed are the results of these analyses.

Comment:

Analytical results were obtained by approved methods. Unless otherwise noted, sample analyses were obtained within the method specific holding times.

If you have any questions, please call me at (505) 326-4737.

William Lipps / IML-Farmington, NM

		2506 West Main Stree
		Farmington, NM 8740
Client:	Golden Environmental Management	
Project:	G169	
Sample ID:	174-0109-MW1	Date Received: 09/12/01
Lab ID:	0301W03917	Date Reported: 09/18/01
Matrix:	Water	Date Sampled: 09/12/01
Condition:	N/A	Time Sampled: 1200

	Analytical				Analysis	
Parameter	Result	Units	Units PQL	Method	Date Time	lnit.
L <u></u>						
Specific Gravity	0.733	g/cc	0.001	SM 2710F	09/14/01 1400	ZW

Reference: SM - "Standard Methods for the Examination of Water and Wastewater", APHA-AWWA-WEF, 19th Edition, 1995.

Reviewed By:

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			нчят (1.814) s	000000000000000000000000000000000000000	IL Services	TIME MATRIX LABI.D.	9-11-12-0 Hand 12-0						/				PRIOR AUTHORIZATION IS REQUIRED	(RUSH) [] 24hr [] 48hr [] 72hr [] 1 WEEK	CERTIFICATION REQUIRED: ONM OSDWA	METHANOL PRESERVATION	COMMENTS: FIXED FEE	147 / 610				D Pan American Freeway, NE • Albuquerque, New Mexicc
Depending Pinnacle Laboratories Inc.	PROJECT MANAGER: / 7 < 4 12		HESS: COC SEN TESS: TOC SEN VE: (SUC) SEC	PAX: (SCTT LAX: BILTO: SCCTT DAVE	W EL Paso F	SAMPLE ID DATE	1227-010xy-Mur 1 9-10										PROJECT INFORMATION	59	ME C. P. S. KUNKJ ELT 3.	P.O. NO.:	SHIPPED VIA: SANDI E BECEIDT		CUSTODY SEALS		BLUE ICENCE	11/10/98 PLI Inc.: Pinnacle Laboratories, Inc. • 2709-D Pan American Freeway, NE • Albuquerque, New Mexico 87107 • (505) 344-3777 • Fax (505) 344-4413 • E-mail: PIN_LAB@WORLDNET ATT,NET
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